

IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) An apparatus comprising:
an interference detector to detect interference within wireless circuitry that is caused by an interconnect within the apparatus; and
a spectral shaping unit to modify at least one transmission characteristic associated with said[an] interconnect of said apparatus in response to detection of interference by said interference detector to mitigate interference caused by said interconnect.
2. (Original) The apparatus of claim 1, wherein:
said interference detector includes an error rate unit to determine an error rate associated with said wireless circuitry, said error rate being related to interference within said wireless circuitry.
3. (Original) The apparatus of claim 1, wherein:
said interference detector includes a ranging unit to determine a communication range associated with said wireless circuitry, said communication range being related to interference within said wireless circuitry.
4. (Original) The apparatus of claim 1, wherein:
said interference detector includes a throughput measurement unit to determine a throughput associated with said wireless circuitry, said throughput being related to interference within said wireless circuitry.
5. (Original) The apparatus of claim 1, wherein:
said at least one transmission characteristic associated with said interconnect includes a data rate of said interconnect.
6. (Original) The apparatus of claim 1, wherein:

said at least one transmission characteristic associated with said interconnect includes a slew rate of said interconnect.

7. (Original) The apparatus of claim 1, wherein:
said interconnect includes a PCI Express interconnect.
8. (Original) The apparatus of claim 1, wherein:
said interconnect includes a bus.
9. (Original) The apparatus of claim 1, wherein:
said interconnect provides communication between said wireless circuitry and a host chip set.
10. (Original) The apparatus of claim 1, wherein:
said wireless circuitry includes a wireless transceiver module.
11. (Currently Amended) An apparatus comprising:
an interconnect to provide communication between at least two components of said apparatus; and
a data rate adjustment unit to adjust a data rate used to transmit data on associated with
said interconnect based on interference within said apparatus that is generated by said
interconnect, wherein adjusting said data rate reduces the level of interference being generated
by said interconnect.
12. (Currently Amended) The apparatus of claim 11, further comprising:
a slew rate adjustment unit to adjust a slew rate associated with said interconnect based
on interference within said apparatus that is being generated by said interconnect, wherein
adjusting said slew rate associated with said interconnect reduces the level of interference being
generated by said interconnect.

13. (Original) The apparatus of claim 11, wherein:
said interconnect includes a PCI Express interconnect.
14. (Original) The apparatus of claim 11, wherein:
said interconnect includes a bus.
15. (Original) The apparatus of claim 11, wherein:
said interconnect is coupled between a wireless module and another component within said apparatus.
16. (Currently Amended) A method comprising:
determining that interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and
adjusting at least one transmission characteristic associated with said[an] interconnect in response to said determination to reduce said interference generated by said interconnect.
17. (Original) The method of claim 16, wherein:
determining includes determining that an error rate associated with said wireless circuitry meets a predetermined criterion.
18. (Original) The method of claim 16, wherein:
determining includes determining that a wireless communication range of said wireless circuitry meets a predetermined criterion.
19. (Original) The method of claim 16, wherein:
determining includes determining that a throughput associated with said wireless circuitry meets a predetermined criterion.
20. (Original) The method of claim 16, wherein:
adjusting includes adjusting a data rate of said interconnect.

21. (Original) The method of claim 16, wherein:

adjusting includes initially changing a data rate of said interconnect from a first rate to a second rate in response to said determination and then changing said data rate from said second rate back to said first rate a predetermined time period later.

22. (Original) The method of claim 16, wherein:

said interconnect is a PCI Express interconnect; and

adjusting includes extracting a data rate identifier from a PCI Express training sequence and using said data rate identifier to determine a new data rate for said interconnect.

23. (Original) The method of claim 16, wherein:

said interconnect is a PCI Express interconnect; and

adjusting includes sending a handshake message requesting a new data rate using a PCI Express messaging protocol.

24. (Original) The method of claim 16, wherein:

adjusting includes adjusting a slew rate of said interconnect.

25. (Original) The method of claim 16, wherein:

adjusting includes selecting at least one new transmission characteristic value for use with said interconnect based on a wireless application presently being executed.

26. (Currently Amended) A method comprising:

measuring an interference-related parameter associated with a wireless transceiver; and

adjusting at least one transmission characteristic associated with an interconnect within a device that includes said wireless transceiver when said measured interference-related parameter meets a predetermined criterion, wherein adjusting is performed to reduce interference generated by said interconnect.

27. (Original) The method of claim 26, further comprising:
repeating measuring and adjusting until said interference-related parameter does not meet said predetermined criterion.
28. (Original) The method of claim 26, wherein:
measuring includes measuring an error rate associated with said wireless transceiver.
29. (Original) The method of claim 26, wherein:
measuring includes measuring a communication range associated with said wireless transceiver.
30. (Currently Amended) An article comprising a storage medium having instructions stored thereon that, when executed by a computing platform, result in:
determining that interference mitigation should be performed for wireless circuitry to reduce interference generated by an interconnect; and
adjusting at least one transmission characteristic associated with said[an] interconnect in response to said determination to reduce said interference generated by said interconnect.
31. (Original) The article of claim 30, wherein:
adjusting includes adjusting a data rate of said interconnect.
32. (Original) The article of claim 30, wherein:
adjusting includes adjusting a slew rate of said interconnect.
33. (Currently Amended) An apparatus comprising:
an interference detector to detect interference within wireless circuitry that is caused by an interconnect within the apparatus;
a spectral shaping unit to modify at least one transmission characteristic associated with said[an] interconnect ~~of said apparatus~~ in response to detection of interference by said interference detector to mitigate interference caused by said interconnect; and

a dipole antenna element coupled to said wireless circuitry to facilitate communication with a remote wireless entity.

34. (Original) The apparatus of claim 33, wherein:
said wireless circuitry includes a wireless transceiver module.
35. (Original) The apparatus of claim 33, wherein:
said spectral shaping unit includes a data rate adjustment unit to adjust a data rate of said interconnect.
36. (Original) The apparatus of claim 33, wherein:
said spectral shaping unit includes a slew rate adjustment unit to adjust a slew rate of said interconnect.